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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/765,168	01/18/2001	Kenneth Wayne Maze	RCA 87,833C	8456
7590	07/15/2004		EXAMINER	
Joseph S. Tripoli THOMSON Multimedia Licensing Inc. Patent Operations P.O. Box 5312, Two Independence Way Princeton, NJ 08543-5312			BELIVEAU, SCOTT E	
			ART UNIT	PAPER NUMBER
			2614	3
DATE MAILED: 07/15/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/765,168	MAZE ET AL.
Examiner	Art Unit	
Scott Beliveau	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

#### A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 13-18 is/are pending in the application.
- 4a) Of the above claim(s) 16-18 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 13-15 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) 16-18 are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 18 January 2001 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | Paper No(s)/Mail Date. ____.  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: ____.                                    |

## **DETAILED ACTION**

### ***Election/Restrictions***

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 13-15, drawn to a method of searching a channel guide and providing a reminder when user-entered criteria are met, classified in class 725, subclass 58.
  - II. Claims 16-18, drawn to a method of searching a channel guide and automatically recording the program when user-entered criteria are met, classified in class 725, subclass 58.
2. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as the ability to automatically record programs matching search criteria. See MPEP § 806.05(d).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
3. During a telephone conversation with Joel Fogelson on 02 July 2004 a provisional election was made with option to traverse to prosecute the invention of Group I, claims 13-15. Affirmation of this election must be made by applicant in replying to this Office action. Claims 16-18 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

*Drawings*

5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 200 (Figure 2), 410 (Figure 3). Corrected drawing sheets, or amendment to the specification to add the reference character(s) in the description, are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

6. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference character(s) mentioned in the description: 310, 320 (Page 4, Lines 33-34). Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should

include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled “Replacement Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

*Specification*

7. Updated status of all co-pending applications is further required as appropriate.
8. The disclosure is objected to because of the following informalities: reference to element “412” should be amended to reference element “412R” (Page 7, Line 19). Appropriate correction is required.

*Claim Objections*

9. Claim 14 is objected to because of the phrase “user-enter” should be amended to read “user-entered”. Appropriate correction is required.

*Claim Rejections - 35 USC § 112*

10. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

11. Claims 13-15 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. As noted by the applicant, the claimed limitations of “performing continuously until said search request is turned off”, is supported in the specification (IA: Page 8, Lines 3-26). Applicant’s at the time of filling the divisional further submit that the “continuous filtering” is different from a periodic filtering process such as that taught by Ferguson. However, the examiner is unable to find a clear disclosure that the search agent is actually being executed “continuously”. Rather, given that the program guide data appears to be updated every 30 minutes or simply reacquired every 2 seconds (IA: Page 6, Lines 4-15), it would reason that “continuously” executing the search agent would be an inefficient usage of processing resources given that the information is not continuously changing. In other words, there is no clear disclosure that the invention is actually “continuously” searching as opposed to simply periodically (ex. every 30 minutes) searching for programming.

***Claim Rejections - 35 USC § 103***

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
14. Claims 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hoarty et al. (US Pat No. 5,412,720).

In consideration of claims 13-15, Hoarty et al. illustrates a “method for processing channel guide information” (Figures 21-26). The method involves “receiving a user-entered search request”, “performing . . . a search of said channel guide information for a program in said channel guide having program description” including “information about the program . . . star” that “satisfies said user-entered request” and “displaying a reminder anytime a program is found in said perform step having program description that satisfies said user-entered request” (Col 12, Line 44 – Col 13, Line 5).

With respect to the “performing” being conducted “continuously until said search request is turned off”, the reference does not explicitly disclose nor preclude the frequency of the search being conducted. Accordingly, it would have been obvious to one having ordinary skill in the art at the time the invention was made so as to “continuously” perform the search so as to provide a means for immediately alerting the user as to the availability of programming if updated programming information is not provided on a fixed schedule. For

example, if programming updates or schedule changes occur (ex. a Humphrey Bogart movie pre-empts a rained-out event) a user may miss the start of a program of interest.

With respect to the limitation of “performing” until the search is “turned off”, the reference does not explicitly disclose nor preclude that a user may subsequently “turn off” a search that has already been initiated. Accordingly, it would have been obvious to one having ordinary skill in the art at the time the invention was made so as to provide the ability to “turn off” thereby “modifying” the “user-entered search request” that is “on-going” as a result of its continuous nature for the purpose of providing a means by which a user who is no longer interested in particular programs may stop being reminded about them.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure as follows. Applicant is reminded that in amending in response to a rejection of claims, the patentable novelty must be clearly shown in view of the state of the art disclosed by the references cited and the objections made.

- The Watts et al. (US Pat No. 5,671,411) reference discloses a method for searching a database of programming using implicit database operands such as AND, NOT, and OR.
- The Yanagihara et al. (US Pat No. 5,715,443) reference discloses a method and apparatus for automated scheduling and execution of searches.
- The Schein et al. (US Pat No. 6,075,575) reference discloses a method for continuously performing searches for program favorites and providing the user

with a reminder in connection with the finding of such program (Col 12, Line 33 – Col 13, Line 3). This application, however, does not currently qualify as prior art under 35 U.S.C. 102 because the parent application 08/537,650 does provide sufficient disclosure of this limitation.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Beliveau whose telephone number is 703-305-4907. The examiner can normally be reached on Monday-Friday from 8:30 a.m. - 6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on 703-305-4795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SEB  
July 2, 2004



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